

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-10 allowed.

The following is the Examiner's statement of reasons for allowance: The prior art fails to disclose the claimed Kalman hybridization filter and claimed satellite problem detector circuit of independent claim 1.

The combination of the claimed limitations are novel and found to be allowable over the prior art. The cited references taken singly or in combination do not anticipate or make obvious the Applicant's claimed invention.

Any comments considered necessary by the Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shelley Chen whose telephone number is (571) 270-

Art Unit: 3661

1330. The examiner can normally be reached Mondays through Fridays, between 10:00 AM and 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached at (571) 272-6956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Shelley Chen/

Patent Examiner

Art Unit 3661

April 10, 2008

/Thomas G. Black/

Supervisory Patent Examiner, Art Unit 3661

Application/Control Number: 10/586,371
Art Unit: 3661

Page 4